

$$1) F_{el} = q \cdot E = E \cdot U/d = 9,6 \cdot 10^{-16} \text{N}$$

$$2) a = F_{el}/m = 1,1 \cdot 10^{15} \text{m/s}^2$$

3

skize

$$5) \tan(\alpha) = V_y/V_0 = 18^\circ$$

$$6) Y_{ges} = y + y' = y + \tan(\alpha) \cdot L = 3,7 \cdot 10^{-2} \text{m}$$